CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company
NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

QC ABSTRACT

Nameof Work: Maintenance and repairs of Footpath in Kempegowda Ward no-01 of Yelahanka Sub Division, BBMP, Bangalore.

SI. No.	Item	Quantity As Per BOQ	Required No's of testes	Actual No's of testes	Testes
1	1:3:6	14.59 Cum	1	1	Pass
2	M20	5.85 Cum	2	2	Pass
3	M15	3.78 Cum	1	1	Pass
4	Slab (230mm)	23.40 Sqm	1	1	Pass
5	Slab (100mm)	312.75 Sqm	1	1	Pass
6	Kerb	710.00 Nos	1	1	Pass

Cubes	0-5 Cum	1Set
	6-15 Cum	2Set
	16-30 Cum	3Set
	31-50 Cum	4Set
	Add 1set for extra 50Cum	

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

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Job No.: CACE/BBMP/GM/W.No.01/2022-23

Date : 15.03.2023

TEST REPORT ON FINE AGGREGATES (SAND)

Client : **Assistant Executive Engineer,** Yelahanka Sub Division, BBMP, Bangalore.

Agency : **Sri. G Mahendra (Sree Manojava Enterprises),** Contractor, Bangalore.

Name of Work : Maintenance and repairs of Footpath in Kempegowda Ward no-01 of Yelahanka Sub Division, BBMP, Bangalore.

Date of Testing : 15.03.2023

IS Code : IS 383:2016
: IS 2386 (Part 1):1963(RA 2011)

Material : Sand

Total Wt. of Aggregates in gms 1000

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	84	8.40	8.40	91.6	90-100
2.36	132	13.20	21.60	78.4	75-100
1.18	186	18.60	40.20	59.8	55-90
600 Micron	165	16.50	56.70	43.3	35-59
300 Micron	225	22.50	79.20	20.8	8-30
150 Micron	142	14.20	93.40	6.6	0-10

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples collected at the site.
3. Any Query regarding the report must be reported within 30days from the date of testing.

For CIVIL AIM CONSULTANTS & ENGINEERS

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Job No.: CACE/BBMP/GM/W.No.01/2022-23 Date: 26.04.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yelahanka Sub Division, BBMP, Bangalore.

Agency : **Sri. G Mahendra (Sree Manojava Enterprises),** Contractor, Bangalore.

Name of the work : Maintenance and repairs of Footpath in Kempegowda Ward no-01 of Yelahanka Sub Division, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	29.03.2023	26.04.2023	8.184	478.9	21.28
2	29.03.2023	26.04.2023	8.156	495.6	22.03
3	29.03.2023	26.04.2023	8.133	482.4	21.44

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Job No.: CACE/BBMP/GM/W.No.01/2023-24 Date: 11.04.2023

PRECAST SLAB 230mm Thick(CORE) TEST REPORT

Client	:	**Assistant Executive Engineer,** Yelahanka Sub Division, BBMP, Bangalore.
Contractor	:	**Sri. G Mahendra (Sree Manojava Enterprises),** Contractor, Bangalore.
Name of Work	:	Maintenance and repairs of Footpath in Kempegowda Ward no-01 of Yelahanka Sub Division, BBMP, Bangalore.
No.of Sample Tested	:	03
Date of Testing	:	11.04.2023
Techinical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete	:	M_{25}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	90.00	112.00	1.689	2370.48	1.24	0.918	133.60	21.00	22.68	20.83	26.04
2	90.00	114.00	1.730	2385.43	1.27	0.921	133.90	21.05	22.73	20.93	26.16
3	90.00	116.00	1.769	2397.15	1.29	0.923	134.50	21.14	22.83	21.08	26.35

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Executive Engineer
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Yelahanka, Bangalore

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